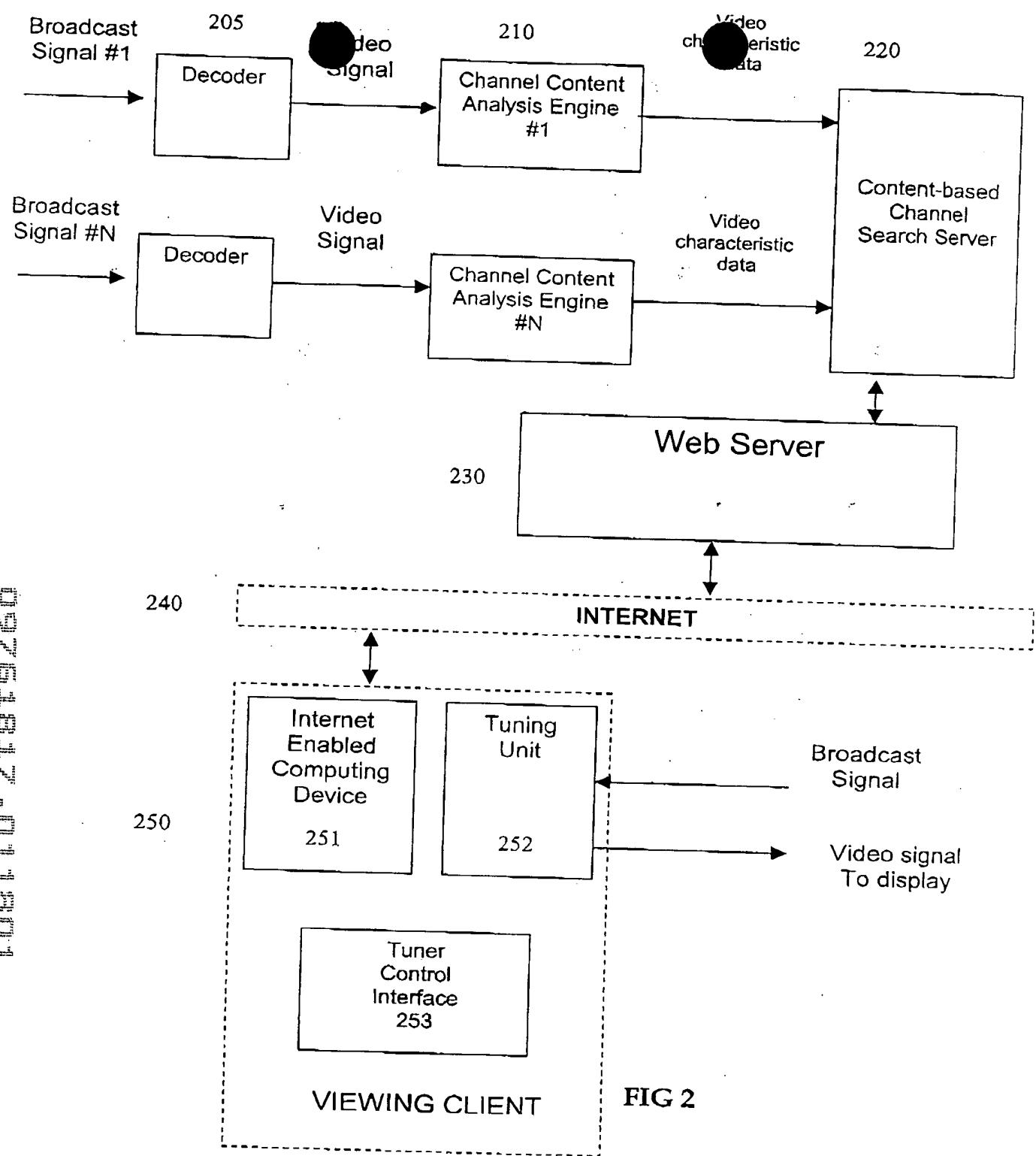


FIG 1



**FIG 2**

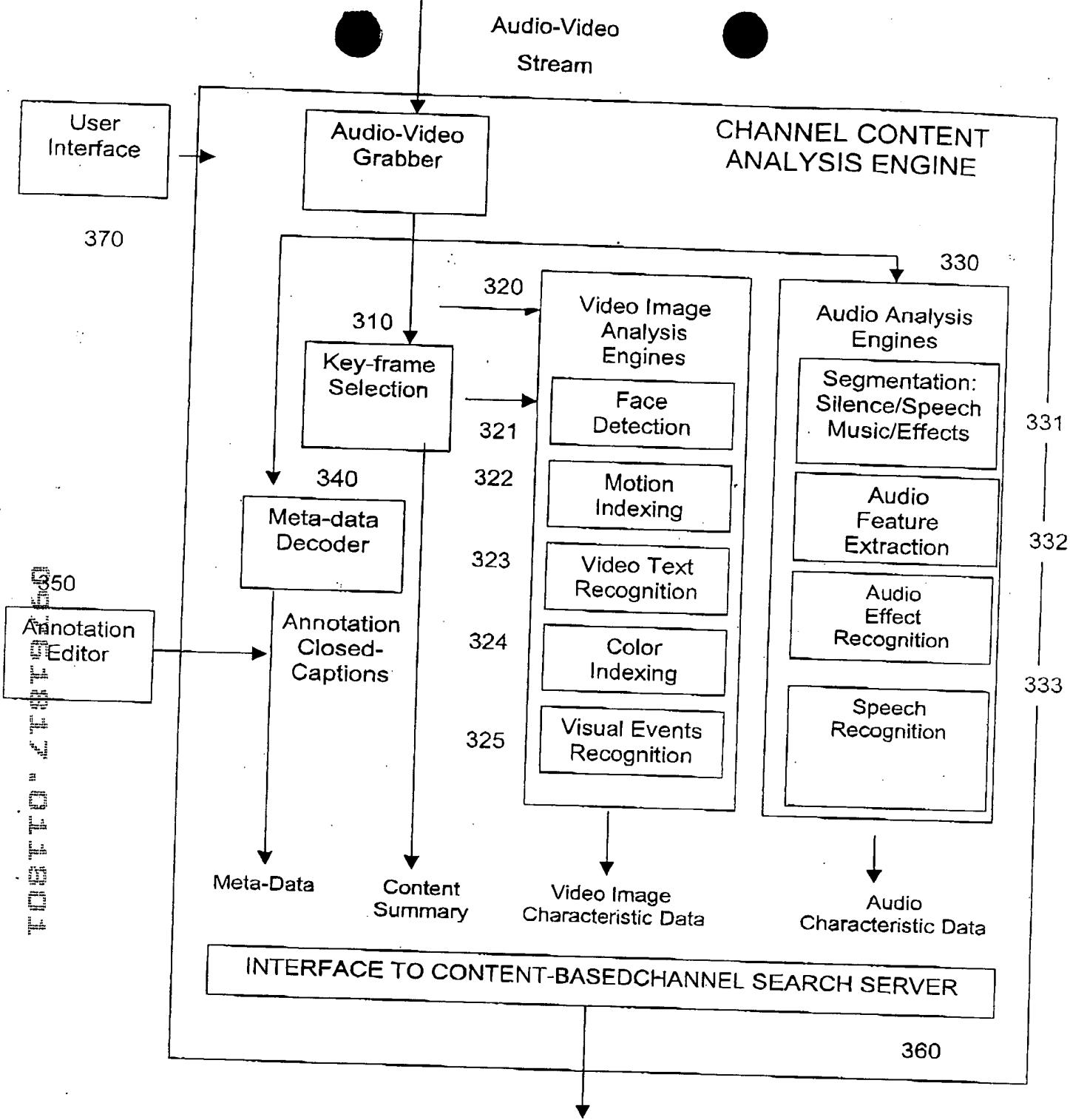


FIG 3

# Video characteristic data

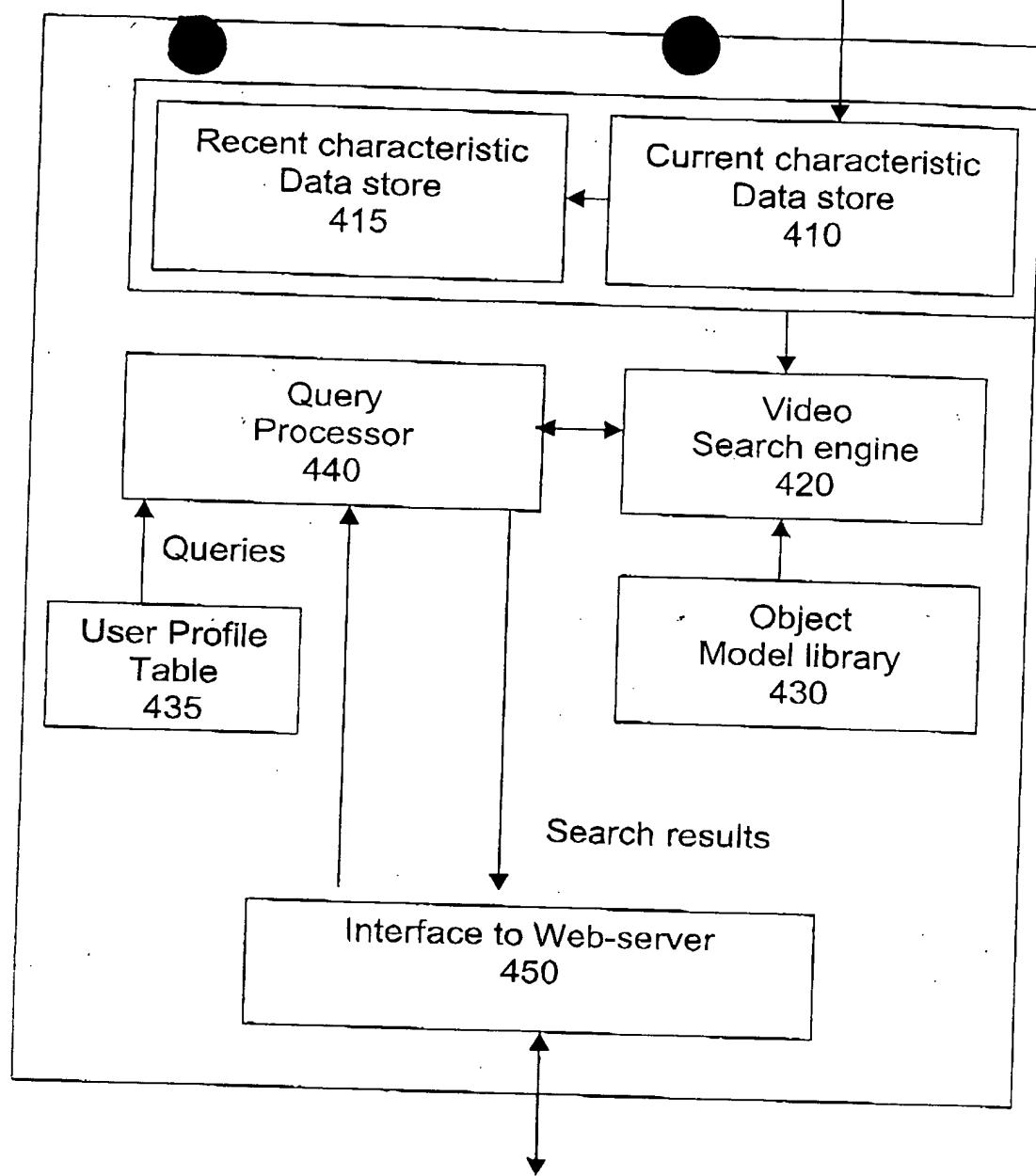
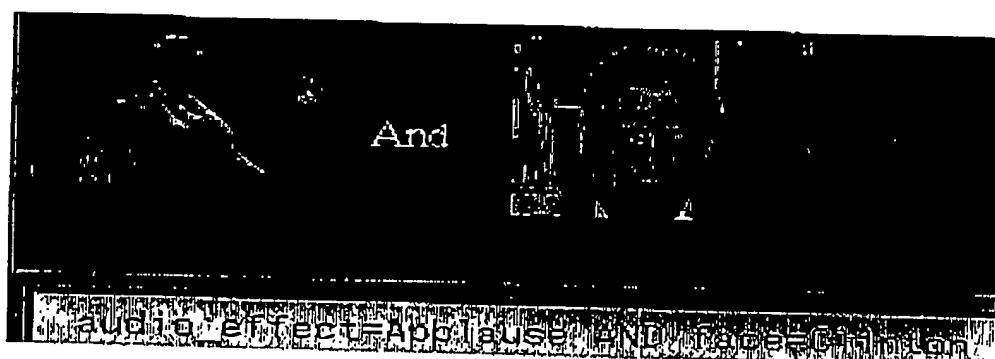


Fig. 4: Content-based channel search server

**USER PROFILE MENU**

500	520	530	540																
VISUAL	AUDIO	TOPIC	SPECIAL																
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%; padding: 5px; border: 1px solid black; text-align: center;">People</td> <td style="width: 25%; padding: 5px; border: 1px solid black; text-align: center;">Laughter</td> <td style="width: 25%; padding: 5px; border: 1px solid black; text-align: center;">Sports</td> <td style="width: 25%; padding: 5px; border: 1px solid black; text-align: center;">Breaking News</td> </tr> <tr> <td style="padding: 5px; border: 1px solid black; text-align: center;">Outdoor</td> <td style="padding: 5px; border: 1px solid black; text-align: center;">Jazz Music</td> <td style="padding: 5px; border: 1px solid black; text-align: center;">Sports</td> <td style="padding: 5px; border: 1px solid black; text-align: center;">Soccer Goal</td> </tr> <tr> <td style="padding: 5px; border: 1px solid black; text-align: center;">Pastoral</td> <td style="padding: 5px; border: 1px solid black; text-align: center;">Applause</td> <td style="padding: 5px; border: 1px solid black; text-align: center;">Talk Show</td> <td style="padding: 5px; border: 1px solid black; text-align: center;">Touch Down</td> </tr> <tr> <td style="padding: 5px; border: 1px solid black; text-align: center;">Gun-shot</td> <td style="padding: 5px; border: 1px solid black; text-align: center;">Economy</td> <td colspan="2"></td> </tr> </table>				People	Laughter	Sports	Breaking News	Outdoor	Jazz Music	Sports	Soccer Goal	Pastoral	Applause	Talk Show	Touch Down	Gun-shot	Economy		
People	Laughter	Sports	Breaking News																
Outdoor	Jazz Music	Sports	Soccer Goal																
Pastoral	Applause	Talk Show	Touch Down																
Gun-shot	Economy																		
<span style="border: 1px solid black; border-radius: 50%; padding: 5px 15px; margin-right: 10px;">AND</span> <span style="border: 1px solid black; border-radius: 50%; padding: 5px 15px; margin-right: 10px;">OR</span> <span style="border: 1px solid black; border-radius: 50%; padding: 5px 15px;">NOT</span>																			
550																			
VISUAL = People AND AUDIO = Laughter <input style="width: 100px; height: 30px; border: 1px solid black; margin-top: 10px;" type="button" value="SUBMIT"/>																			

*FIG 5.1*



*FIG 5.2*



FIG 6

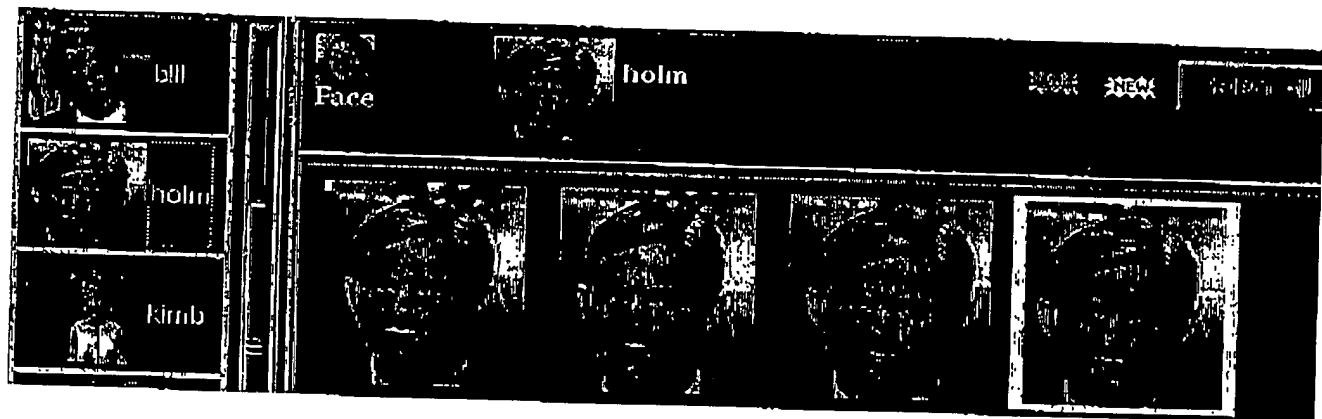


FIG 7

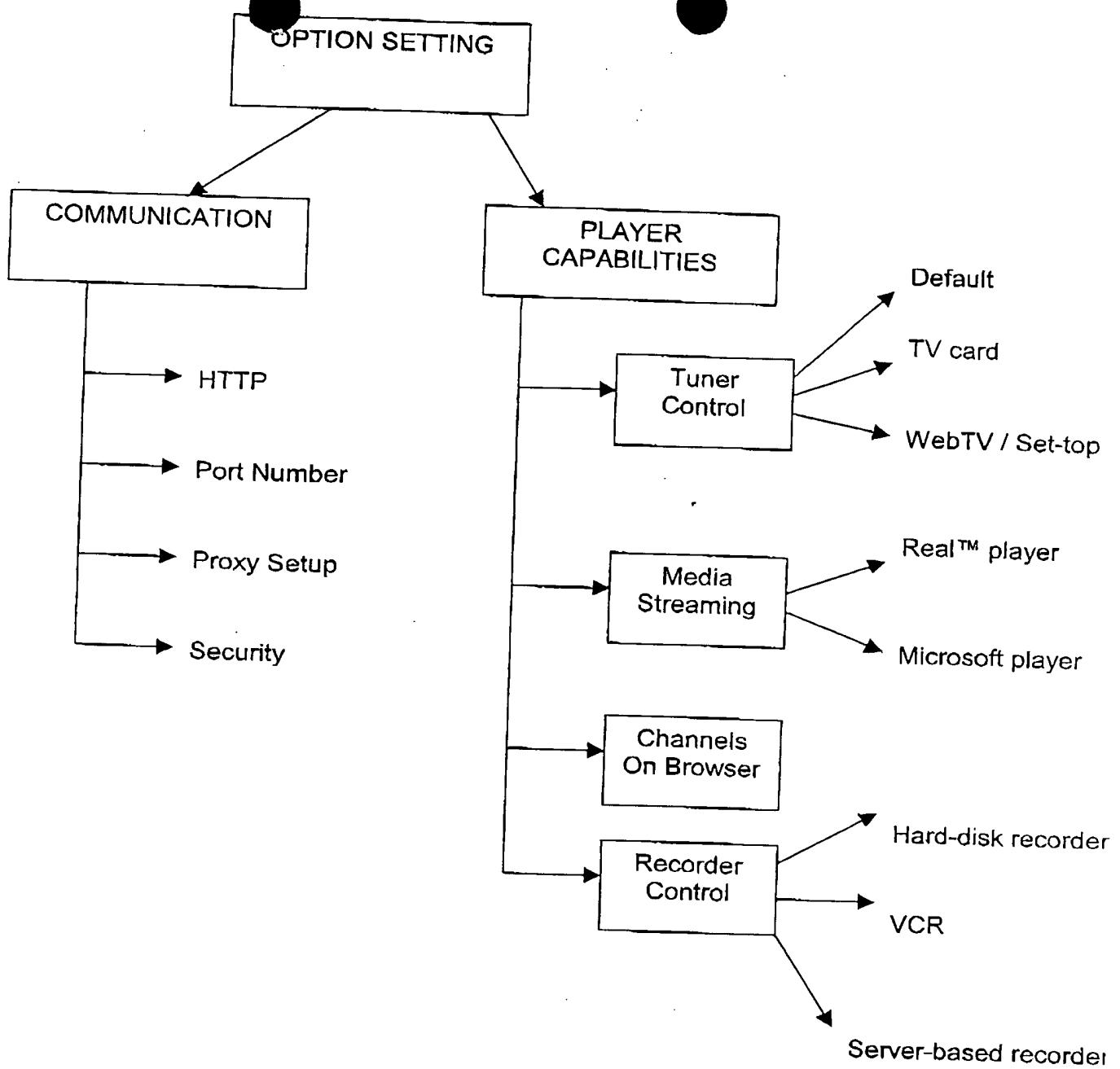


FIG 8

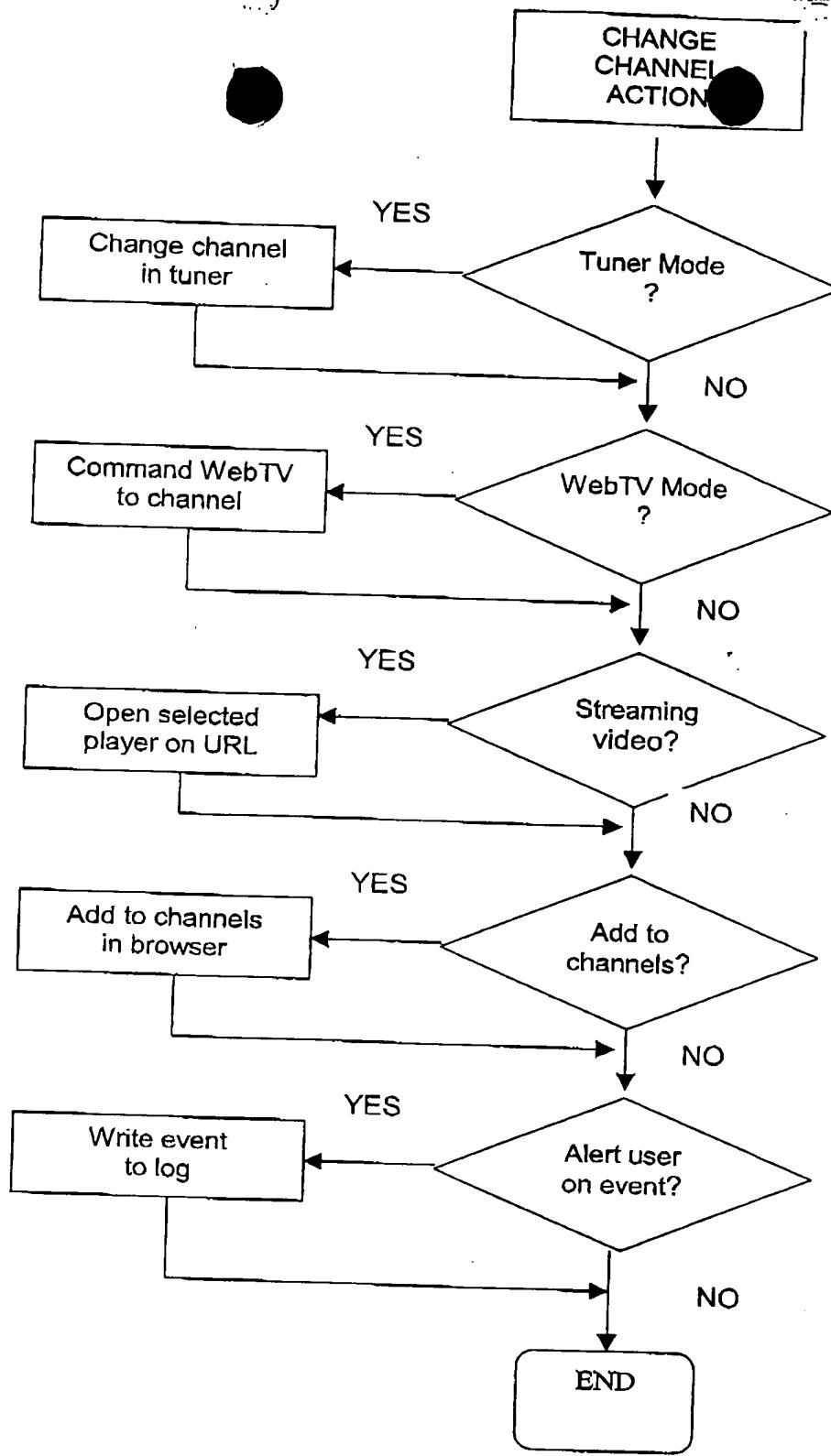


FIG 9

FIG 10a: FILE CONNECTION MENU

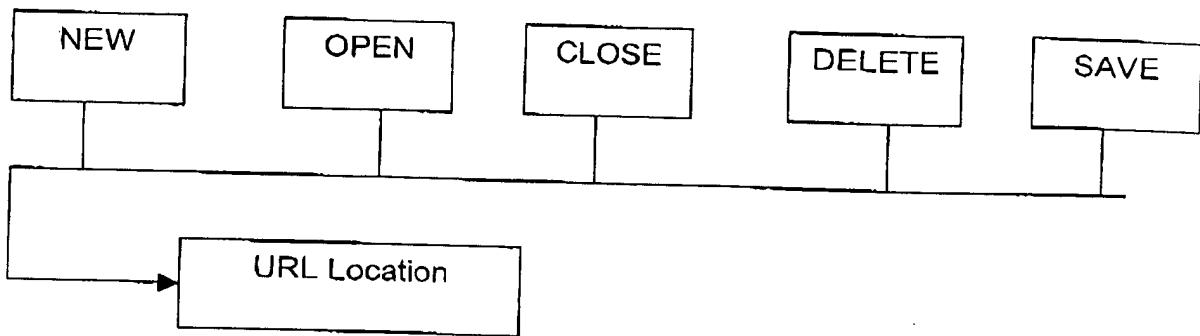
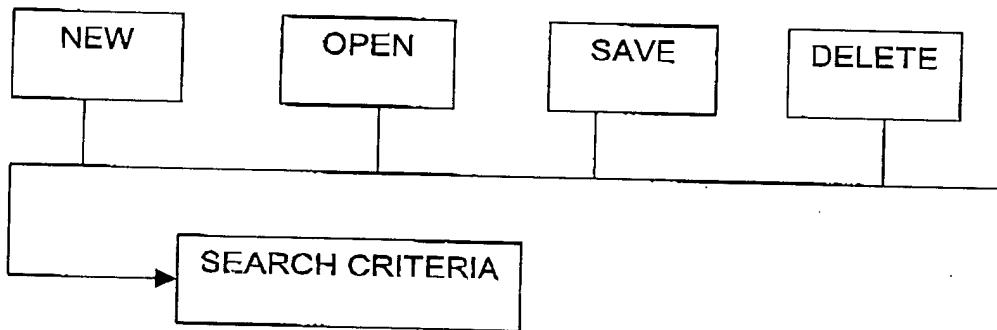
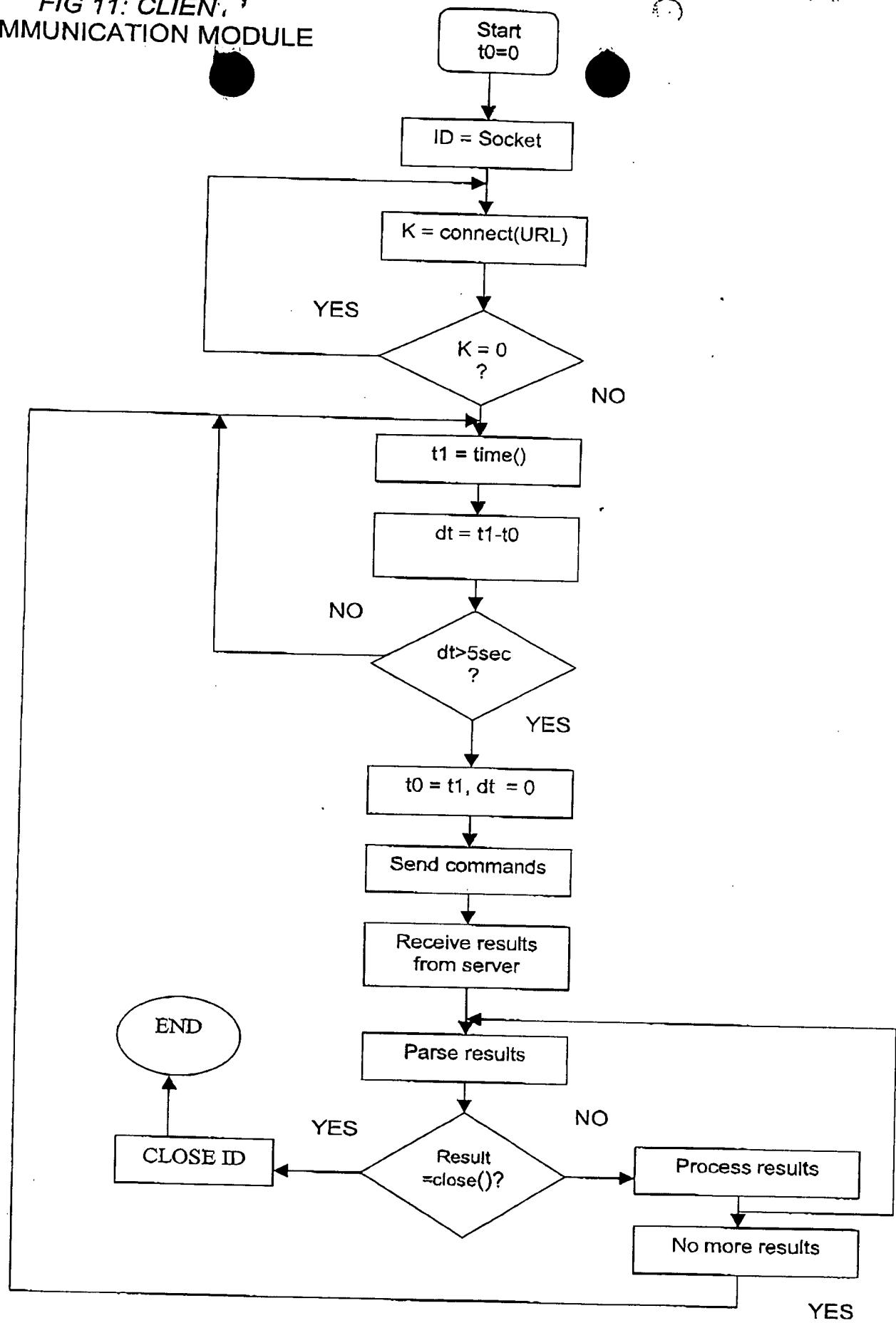


FIG 10b: EDIT SEARCH PROPERTIES MENU



TAKEN FROM STYLING GUIDE OCT 2004

**FIG 11: CLIENT  
COMMUNICATION MODULE**



*FIG 12: SERVER COMM. MODULE*

CLIENT

S\_ID = Socket(STR,TCP)

Send command

Recieve

Do Command

CLOSE

SERVER

S\_ID = Socket(STERM,TCP)

m\_Socket.port = my\_port

m\_Socket.address = ANY\_ADDRESS

BIND(m\_Socket)

LISTEN(m\_Socket)

C\_ID = ACCEPT(m\_Socket)

Loop until end

{

Select(m)

Receive command

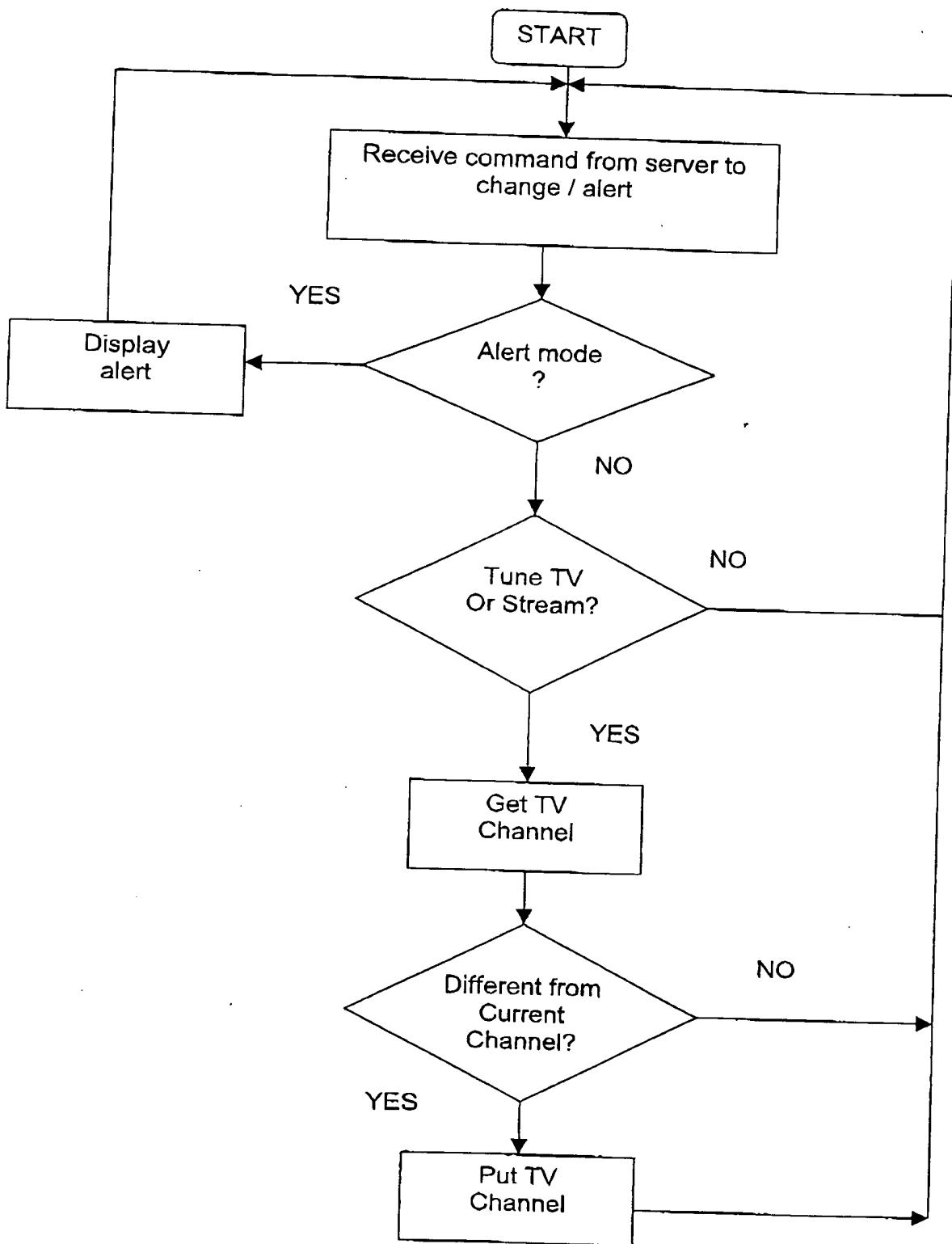
Do command

Send results

}

CLOSE

**FIG 13: TUNER SETTING BY CLIENT**



*flow chart of operation*

